			PCT/EP 02/103	58
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C12M3/00	•		
According to	o international Patent Classification (IPC) or to both national classificat	ion and IPC		
	SEARCHED			
IPC 7	cumentation searched (classification system followed by classification C12M	п вунцов)		,
Documental	tion searched other than minimum documentation to the extent that su	ch documents are incli	ided in the fields sourched	
	ata base consulted during the international search (name of data base ternal, WPI Data, PAJ, BIOSIS, MEDLII		search terms used)	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the rela	vant passages		Relevant to claim No.
X	US 5 424 209 A (KEARNEY GEORGE P) 13 June 1995 (1995-06-13) Abstract, column 2, 5, 6, 18, 20 the whole document			1-13
X	GB 2 341 611 A (ADDAVITA LTD) 22 March 2000 (2000-03-22) page 3 -page 8			1
X	EP 0 224 800 A (BOEHRINGER MANNHE 10 June 1987 (1987-06-10) page 6 -page 7	IM GMBH)		1
X	US 5 629 202 A (SU CHEIN-SHYONG 13 May 1997 (1997-05-13) figure 3	ET AL) /	·	1
	·			
X Furt	her documents are listed in the continuation of box C.	X Petent family	members are listed in ann	ex.
"A" docume consider "E" earlier filing ("L" docume which	ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is clied to establish the publication date of another	or priority date an clied to understar invention "X" document of partic cannot be consid involve an inventi	dished after the intermetion of not in conflict with the aid the principle or theory water relevance; the claimsered novel or cannot be covered we step when the document witer relevance; the claimse with relevance; the claimse	pplication but inderlying the d Invention insidered to it is taken alone d Invention
*O" docum other *P" docum	n or other special reason (as specified) ent reterring to an oral disclosure, use, exhibition or means ent published prior to the intermational filling dute but han the priority date claimed	document is com ments, such com in the art.	ered to involve an inventive bined with one or more oth binetion being obvious to a r of the same patent family	ner such docu- a person skilled
	actual completion of the International search 9 November 2002	Date of mailing of 02/01/2	the international search re	eport .
		Authorized officer	.000	
Name and (mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nt, Fac: (431-70) 340-3018	Friedri	ich, C	

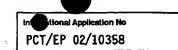
Form PCTASA/210 (second sheet) (July 1992)



In tional Application No PCT/EP 02/10358

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		<u> </u>
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	CAMISARD V ET AL: "Inline characterization of cell concentration and cell volume in agitated bioreactors using in situ microscopy: Application to volume variation induced by osmotic stress." BIOTECHNOLOGY AND BIOENGINEERING, vol. 78, no. 1, 5 April 2002 (2002-04-05), pages 73-80, XP002222991 ISSN: 0006-3592 figure 1		2-13
A	US 2001/039045 A1 (CHAN PAUL ET AL) 8 November 2001 (2001-11-08) figure 1		2-13
A	US 5 665 599 A (MINUTH WILL) 9 September 1997 (1997-09-09) figure 2		2–13
	· ·		
j			
	. (1)		*
			·
	• -		
			,
Ť			
ļ			
		• •	
	·		
	•	ē.	
		•	_
		,	





	itent document I in search report		Publication date		Patent family member(s)	1	Publication date
US	5424209	A	13-06-1995	NONE		L	
GB	2341611	Α	22-03-2000	AU	5430499	Α	21-03-2000
				CA	2341876	A1	09-03-2000
				CN	1323343	Ţ	21-11-2001
		•		EP		A1	08-08-2001
				WO	0012673 /	A1	09-03-2000
				JP	2002523082	T	30-07-2002
EP	0224800	Α	10-06-1987	DE	3541738 /	A1	27-05-1987
				ΑT	85357	T	15-02-1993
				DE	3687699 [D1	18-03-1993
				EP	0224800	A2	10-06-1987
				ES	2038965	T3	16-08-1993
		·		JP	2006530 (C	11-01-1996
				JP	7040928	В	10-05-1995
				JP	62130683 /	A	12-06-1987
				US	5286646	Α .	15-02-1994
US	5629202	A	13-05-1997	NONE			
US	2001039045	A1	08-11-2001	AU	4955901 /	A	08-10-2001
				WO	0172954	A2	04-10-2001
US	5665599	A	09-09-1997	DE	4443902 (C1	18-04-1996
				JP		B2	20-01-1999
				JP	8336382	A	24-12-1996

Form PCT/ISA/210 (peters) terrilly ennext) (July 1662)

A. KLASSIFIZIERUNG DES ANMELDUNGSGEGENSTANDES IPK 7 C12M3/00

Nach der Internationalen Patentiklassifikation (IPK) oder nach der nationalen Klassifikation und der IPK

B. RECHERCHIERTE GEBIETE

Recherchlerter Mindestprüfstoff (Klassifikationssystem und Klassifikationssymbole) IPK 7 C12M

Recherchierte aber nicht zum Mindestprüfstoff gehörende Veröffentlichungen, soweit diese unter die recherchierten Gebiete tallen

Während der Internationalen Recherche konsultierte elektronische Datenbank (Name der Datenbank und evti. verwendete Suchbegriffe)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE

Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betracht kommenden Teile	Betr. Anspruch Nr.
X	US 5 424 209 A (KEARNEY GEORGE P) 13. Juni 1995 (1995-06-13) Abstract, column 2, 5, 6, 18, 20 das ganze Dokument	1-13
X	GB 2 341 611 A (ADDAVITA LTD) 22. März 2000 (2000-03-22) Seite 3 -Seite 8	1
X	EP 0 224 800 A (BOEHRINGER MANNHEIM GMBH) 10. Juni 1987 (1987-06-10) Seite 6 -Seite 7	1
X	US 5 629 202 A (SU CHEIN-SHYONG ET AL) 13. Mai 1997 (1997-05-13) Abbildung 3	1
	-/-	•

Weiters Veröffentlichungen sind der Fortsetzung von Feld C zu entnehmen	X Siehe Anhang Patentfamilie
 Besondere Kalegorien von angegebenen Ver	Orffreindung Tallelink hand and hatmaker wanten
Dutum des Abschlusses der Internationalen Recherche	Absendedetum des Internationalen Recherchemberlichts
29. November 2002	02/01/2003
Name und Postanschrift der Internationalen Recherchenbehörde Europäisches Patentamt, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Bevoltmächtigter Bediensteter
Fee: (+31-70) 340-3018	Friedrich, C

Formblatt PCT/(8A/210 (Blett 2) (Juli 1992)

	ung) ALS WESENTLICH ANGESEHENE UNTERLAGEN	
Kategorie*	Bezeichnung der Veröffentlichung, soweit erforderlich unter Angabe der in Betrecht kommenden Teile	Betr. Anspruch Nr.
A	CAMISARD V ET AL: "Inline characterization of cell concentration and cell volume in agitated bioreactors using in situ microscopy: Application to volume variation induced by osmotic stress." BIOTECHNOLOGY AND BIOENGINEERING, Bd. 78, Nr. 1, 5. April 2002 (2002-04-05), Seiten 73-80, XP002222991 ISSN: 0006-3592 Abbildung 1	2-13
A	US 2001/039045 A1 (CHAN PAUL ET AL) 8. November 2001 (2001-11-08) Abbildung 1	2-13
A	US 5 665 599 A (MINUTH WILL) 9. September 1997 (1997-09-09) Abbildung 2	2-13
		,
Ì		
	•	
	•	

						CITE	02/10356
lm F ngefüh	Recherchenbericht ortes Patentdokumer	nt	Datum der Veröffentlichung		Mitglied(er) der Patentfamilie		Datum der Veröffentlichung
US	5424209	A	13-06-1995	KEIN	E		
GB	2341611	A	22-03-2000	AU	5430499	A	21-03-2000
				CA	2341876		09-03-2000
				CN	1323343	T	21-11-2001
	•			ΕP	1121415	Å1	08-08-2001
				MO	0012673		09-03-2000
				JP	2002523082		30-07-2002
EP	0224800	A	10-06-1987	DE	3541738	A1	27-05-1987
				AT	85357	T	15-02-1993
				DΕ	3687699	D1	18-03-1993
				EΡ	0224800	A2	10-06-1987
				ES	2038965	T3	16-08-1993
				JP	2006530	C	11-01-1996
			•	JP	7040928	В	10-05-1995
				JP	62130683	Α	12-06-1987
				US	5286646	A	15-02-1994
US	5629202	A	13-05-1997	KEINE			
US	2001039045	A1	08-11-2001	AU	4955901	 A	08-10-2001
			<u>.</u>	WO	0172954		04-10-2001
US	5665599	A	09-09-1997	DE	4443902	 C1	18-04-1996
				JP		B2	20-01-1999
				JP ·	8336382		24-12-1996